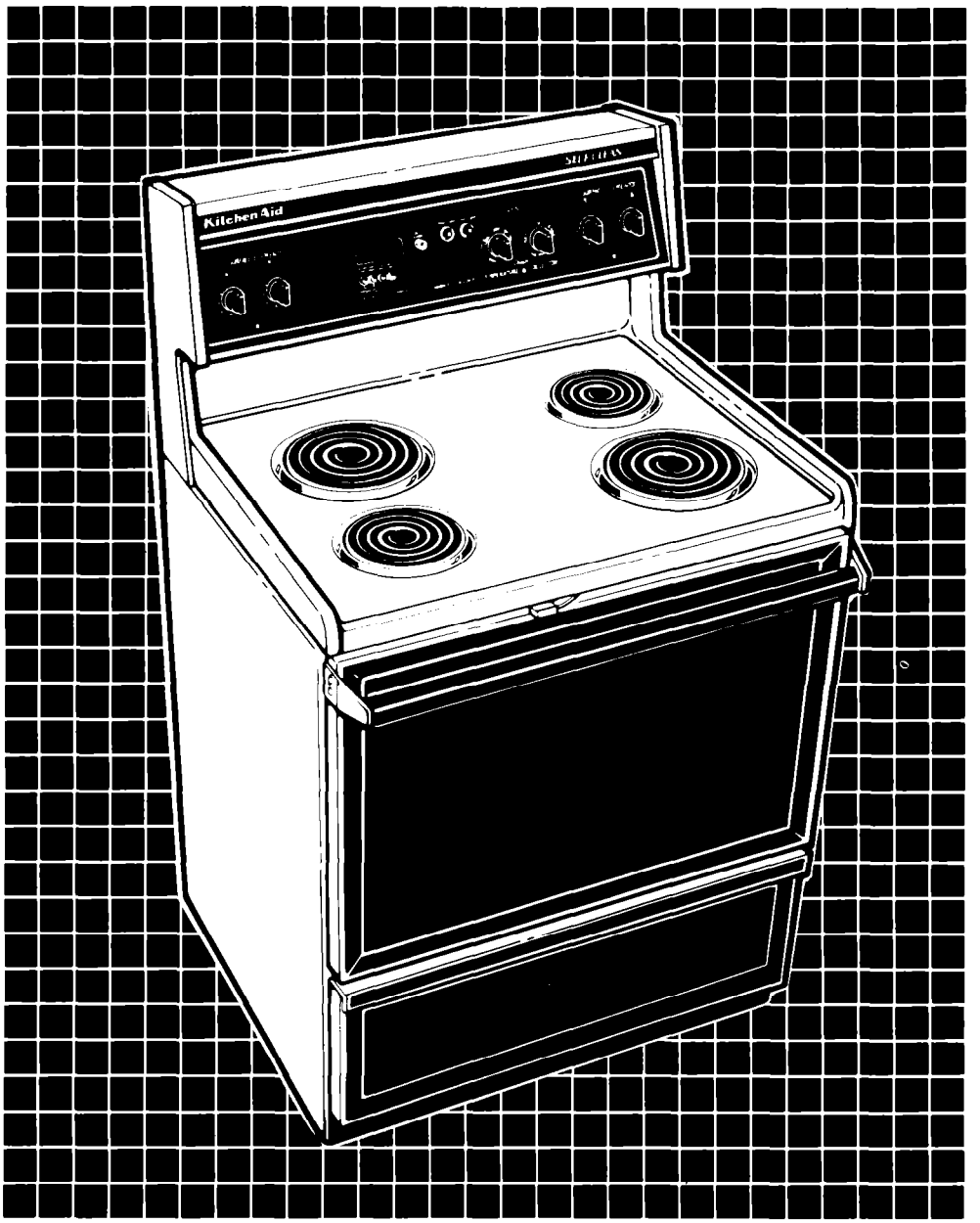
Installation Instructions



KitchenAid®

Electric 30″
Free-Standing Range

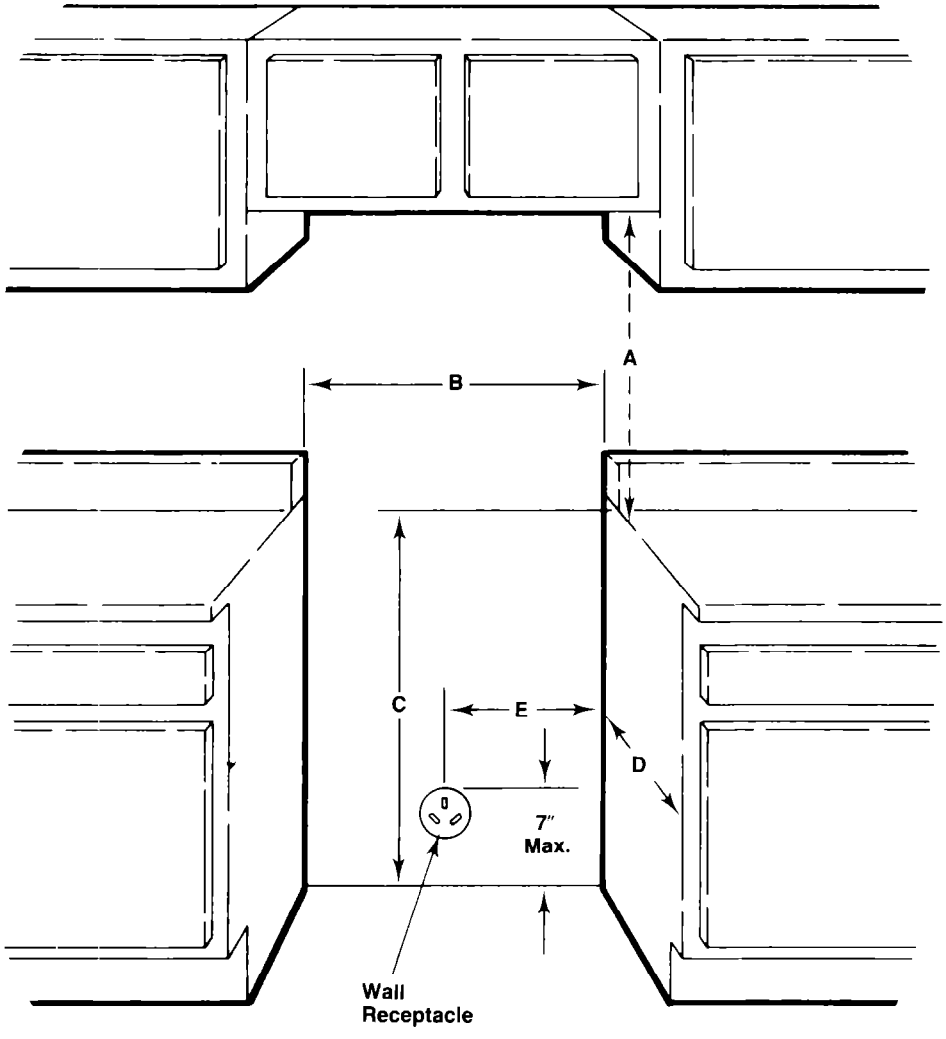
1 Before you begin

Read these instructions completely and carefully.
If followed, they will simplify the installation job.

IMPORTANT:

Observe all governing codes and ordinances.
Failure to follow these instructions could lead to fire or electrical shock hazard.

A. Space requirements



A = 30″ min. clearance between cooktop and bottom of an unprotected wood or metal cabinet.

B = Width between counters: 30⅜″ to 30½″

C = Height of countertop: 35⅝″ to 36$^{13}/_{16}$″

D = Depth: 22½″

E = Pigtail receptacle location: 8″ to 22″ from either cabinet, 7″ max. from floor.

To prevent discoloration of base cabinet, front of oven frame must extend at least ½″ beyond front surface of cabinets.

Do not seal range to cabinets.

The copper power cord (pigtail) must run downward, left or right to the wall receptacle to avoid pinching the cord between rear portion of the range and wall.

The back of a free-standing range may be installed against a vertical wall. Sides may be installed against base cabinets or against vertical walls extending above upper edge of the cooktop.

CAUTION:

Reaching over heated surface elements causes risk of being burned. To reduce risk, installation of cabinet storage above surface units should be avoided.

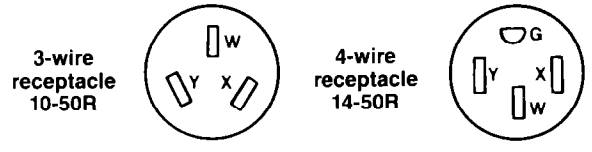
If cabinets are already provided, reduce hazard by installing a range hood. Hood should project horizontally beyond bottom of cabinets by a minimum of 5 inches.

B. Electrical requirements

IMPORTANT:
SAVE THESE INSTRUCTIONS FOR THE LOCAL ELECTRICAL INSPECTOR'S USE

WARNING: DO NOT PLUG THE "PIGTAIL" POWER CORD INTO A LIVE WALL RECEPTACLE BEFORE CORD IS PERMANENTLY CONNECTED TO THE TERMINAL BLOCK.

1. This appliance must be connected to the proper electrical voltage and frequency as specified on nameplate. A separate 40 ampere circuit is required. Fuse both sides of the line. DO NOT fuse the neutral. A time-delay fuse or circuit breaker is recommended. Wire sizes must conform to the requirements of the National Electrical Code ANSI/NFPA 70-1984 and/or local codes and ordinances. The nameplate is located on the front frame of the oven behind the door.
2. All wires ending at the appliance must terminate in ring type terminals.
3. All power cords and cables to appliance must be fitted with a UL approved strain relief.
4. The range should be connected with copper wire only. Aluminum wire requires special connectors. Improper use may create a fire hazard.
5. Appliance may be connected directly to the fused disconnect (or circuit breaker) box through flexible armored or non-metallic sheathed copper cable. Do not use an extension cord. Allow 4 feet (min.) slack so appliance can be moved for servicing. Wire sizes must conform to the ampere rating of the range. See paragraph B-1 above.
6. ***WARNING:*** THE TERMINAL BLOCK ON THE APPLIANCE ACCEPTS COPPER WIRE ONLY, NOT ALUMINUM. IF ALUMINUM HOUSE WIRING MUST BE CONNECTED, USE ONE OF THE FOLLOWING PROCEDURES:
   - Connect copper wire to the range terminal block (use ring terminals).
   - Attach special ring connectors to the aluminum house wiring that are UL listed and designed for joining copper to aluminum. These special ring connectors (available at electrical supply houses) can be attached directly to the range terminal block.
   - The connectors must conform to the ampere rating of the range as stated in paragraph B-1.
7. If local codes permit, your range may be connected with a three wire flexible type, UL listed "pigtail" power cord of the proper ampere rating.* Plug must match a 3-wire NEMA type 10-50R receptacle (shown below).



8. ***CAUTION:*** FOR MOBILE HOME USE, A 4-WIRE POWER CORD MUST BE USED. This appliance is manufactured with ground connected to frame. This must be revised so green grounding wire of 4-wire power cord is connected to frame.

   If using a 4-wire NEMA type 14-50R receptacle (shown above) you must use a matching 4-wire UL listed "pigtail" power cord. Cord should be type SRD or SRDT, at least 4 feet long with all conductors ending in ring terminals at the appliance.

   MINIMUM CONDUCTOR SIZE...
   (4-WIRE COPPER POWER CORD)

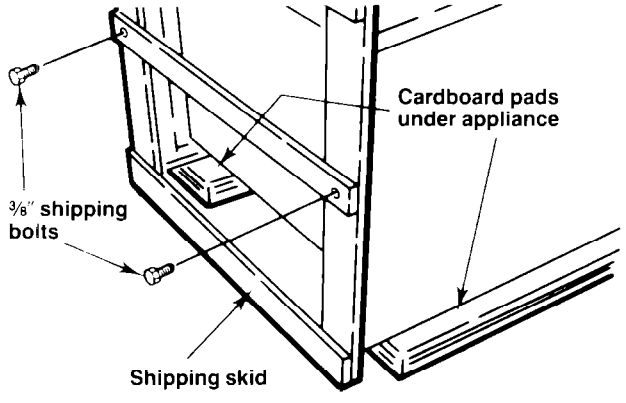
   For 40 ampere circuits: two No. 8 conductors, one No. 10 white neutral, and one No. 8 green ground.

****CAUTION:*** Power Cord Requirements – Only a power supply cord kit rated at 240 volts, 50 amperes and investigated for use with ranges shall be used.

2 Begin the installation

Remove racks and all other contents from oven before moving appliance. Be sure to remove all packaging material (cardboard, protective film, etc.) from range before use.

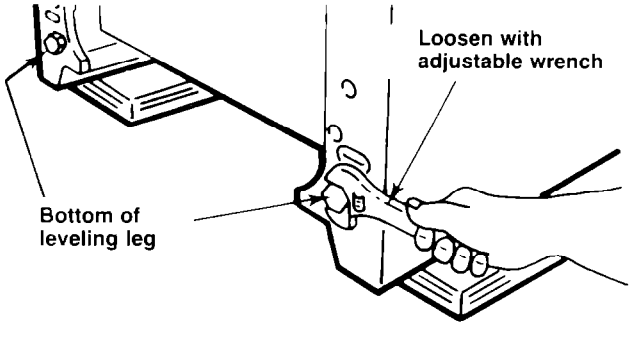
A. Remove shipping skid



Remove the 4 cardboard pads from shipping box. Place them on floor as shown to protect appliance's finish. Rest appliance (on its back) on pads.

Remove the two 3/8" shipping bolts from wooden skid. Discard the skid.

B. Extend leveling legs



Once skid is removed, 4 leveling legs are exposed at bottom of frame.

Loosen legs by applying an adjustable wrench to the 1 3/8" base of the leveling legs. Back each of them out about 4 complete turns.

Stand appliance on its base.

3 Begin electrical connection

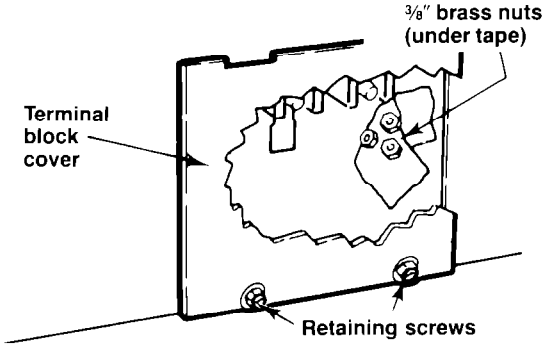
Grounding Instructions

WARNING:
THIS APPLIANCE MUST BE CONNECTED TO A GROUNDED, METALLIC, PERMANENT WIRING SYSTEM, OR AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE RUN WITH THE CIRCUIT CONDUCTORS AND CONNECTED TO THE EQUIPMENT GROUNDING TERMINAL OR LEAD ON THE APPLIANCE.

WARNING:
IT IS CUSTOMER'S RESPONSIBILITY:
- **TO CONTACT A QUALIFIED ELECTRICAL INSTALLER.**
- **TO ASSURE THAT ELECTRICAL INSTALLATION IS ADEQUATE AND IN CONFORMANCE WITH NATIONAL ELECTRICAL CODE AND LOCAL CODE ORDINANCES.**

WARNING:
To prevent electrical shock hazard, disconnect power at fuse box or circuit breaker before connecting flexible armored cable for permanent wiring.

A. Remove terminal block cover



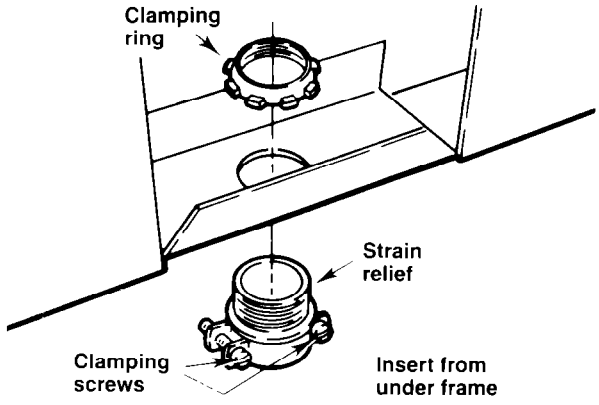
Terminal block is located on back of the appliance near the bottom.

Remove retaining screws to expose electrical terminal block.

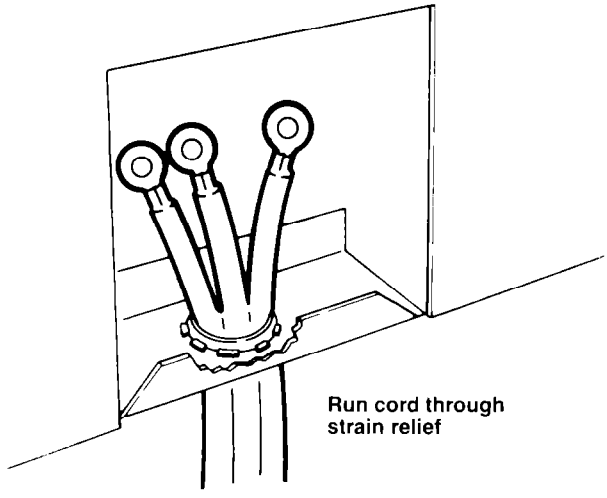
USE ONLY the supplied 3/8" brass nuts when connecting cord.

USE ONLY ring type terminals to connect cord.

B. Strain relief required



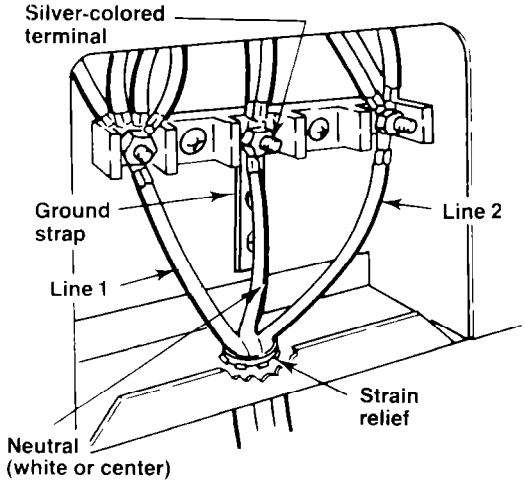
Disconnect clamping ring from strain relief. Push relief (from bottom) through hole beneath terminal block. Tighten clamping ring (from above) onto strain relief threads.



Run cord or cable through strain relief.

Leave enough slack to attach ring-type terminals to terminal block. Tighten clamping screws.

C. If frame grounding is allowed



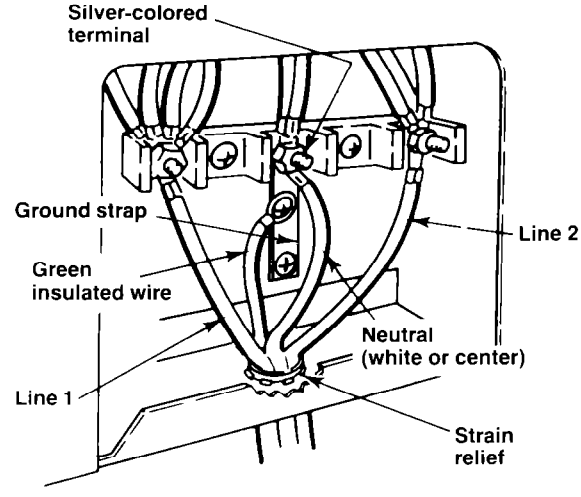
Use this wiring method ONLY if local codes permit connecting frame grounding conductor to neutral wire of power cord.

THIS APPLIANCE IS MANUFACTURED WITH NEUTRAL TERMINAL CONNECTED TO THE FRAME.

1. Connect neutral wire to the center silver-colored terminal.
2. Connect remaining 2 wires to the terminals on either side of the silver-colored terminals.
3. Use ring type terminals only. Connect with the brass nuts that are taped to the frame. Do not loosen factory installed nuts already on the terminal.
4. Replace terminal block cover.

D. 4-wire electrical connections

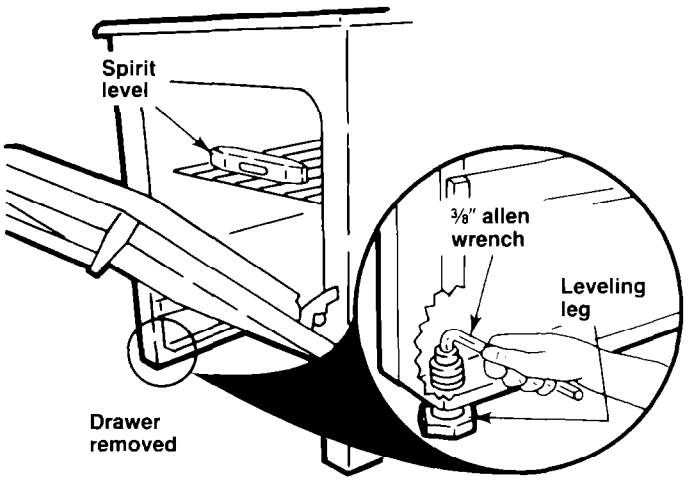
If local codes do not permit grounding through the neutral, the 3-conductor cord or cable assembly must be replaced by a 4-conductor cord. The replacement cord must be rated at 240 volts, 50 amperes and investigated for use with ranges.



Use this wiring method for mobile homes and whenever a 4-wire installation is required.

1. Remove the grounding strap screw from the range frame. Keep this grounding screw. Bend up the grounding strap so that it does not contact the range frame.
2. Connect the green grounding wire to the frame of the appliance with the grounding screw, using the hole in the frame where the grounding strap was removed.
3. Connect the white neutral wire of the power cord to the silver-colored terminal of the terminal block. Connect the remaining wires to the outer terminals.
4. Replace the terminal block cover.

4 Level and position the range



A. Leveling

Move range into final operating position. Use caution when moving this appliance to prevent damage to floor coverings. The weight of the appliance may cause ripping, scratching or other damage to the floor. For best results, slide appliance onto cardboard or hardboard before moving to prevent damage.

Place rack in oven. Put spirit level on rack. If range needs leveling remove oven drawer. The tops of leveling legs will be exposed as shown.

Use a 3/8" allen wrench to raise or lower legs as needed.

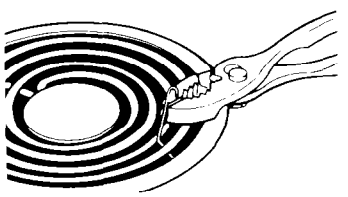
IMPORTANT: Oven must be properly leveled for satisfactory baking conditions.

B. Remove shipping clips

(If open-coil element)

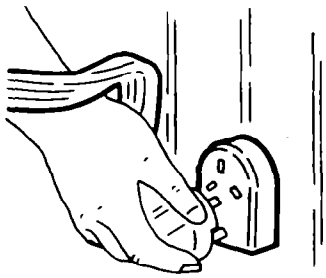
Each of the 4 surface elements is secured by a shipping clip.

Using screwdriver or pliers, bend upper part of the clip to vertical position. Slide clip out and discard it.



C. Complete electrical connection

Remove oven utility drawer. Reach to the rear of the appliance and plug flexible pigtail into the approved receptacle (if allowed by local codes).
OR
Connect flexible armored or non-metallic shielded cable directly to fused disconnect box.



5 Check operation

WARNING:
Do not touch any heating elements. They may be hot and you may be burned.

A. Surface elements

Turn on each of the 4 surface elements. Check to be certain they heat and check for proper operation of surface element indicator light(s).

B. Oven elements

BAKE – Set selector switch on BAKE. Turn thermostat to 350° BAKE. The bottom element should glow red and indicator light should be on. The upper element should become hot but NOT glow red.

C. Rotisserie

(Optional)

If you would like a rotisserie for your oven, you can order a Kit RCK-79 (Part No. 261881) from your KitchenAid dealer. The kit includes easy installation instructions.

D. Clock

Refer to operating instructions in the Use and Care Guide (packed in utility drawer).

E. Cleaning

See the Use and Care Guide that was packed in the utility drawer for proper care and cleaning instructions.

6 *Before you call for service...*

See the Use and Care Guide for trouble-shooting checklist.

Be sure pigtail power cord is plugged in.

Check for blown fuses or tripped circuit breaker.

If you must call for service...

You will need the appliance model and serial number.

Find the serial plate at top center of the oven front frame.

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